

In-Suit Waste Management Technologies, Phase II

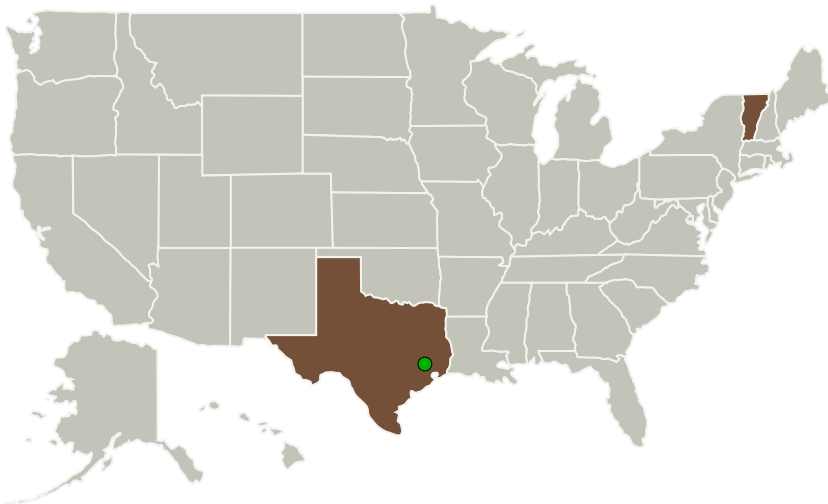
Completed Technology Project (2016 - 2019)



Project Introduction

There is no acceptable urine or fecal containment waste management system for long duration missions for use by crew members confined to pressurized space suits available. Omni's proposed solution is to integrate its new patent pending urine collection and containment system technology, ProRen FLO (Prosthetic Renal Flow System), combined with Omni fecal collection and containment options into a In-Suit waste management System Garment.

Primary U.S. Work Locations and Key Partners



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Table of Contents

Project Introduction	1
Primary U.S. Work Locations and Key Partners	1
Images	2
Organizational Responsibility	2
Project Management	2
Technology Maturity (TRL)	2
Technology Areas	3
Target Destinations	3

Organizations Performing Work	Role	Type	Location
Omni Measurement Systems, Inc	Lead Organization	Industry	Colchester, Vermont
● Johnson Space Center(JSC)	Supporting Organization	NASA Center	Houston, Texas

Primary U.S. Work Locations

Texas	Vermont
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Images



Briefing Chart Image

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Technologies, Phase II

(<https://techport.nasa.gov/image/128707>)

Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission
Directorate (STMD)

Lead Organization:

Omni Measurement Systems,
Inc

Responsible Program:

Small Business Innovation
Research/Small Business Tech
Transfer

Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Principal Investigator:

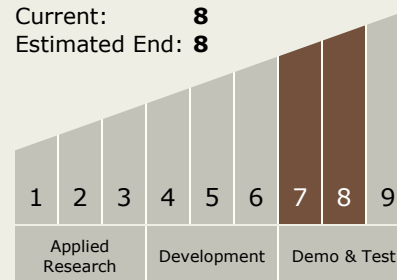
Mark Harvie

Technology Maturity (TRL)

Start: 7

Current: 8

Estimated End: 8



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Technology Areas

Primary:

- TX06 Human Health, Life Support, and Habitation Systems
 - └ TX06.2 Extravehicular Activity Systems
 - └ TX06.2.1 Pressure Garment

Target Destinations

The Sun, Earth, The Moon, Mars, Others Inside the Solar System, Outside the Solar System